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	Application No.	Applicant(s)	
	10/706,117	GAO ET AL.	
Notice of Allowability	Examiner	Art Unit	
	Sung H. Pak	2874	<u> </u>
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT I of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in this ap	plication. If not include n will be mailed in due	ed course. THIS
1. This communication is responsive to <u>Amendment filed 6/2</u>	<u>23/2005</u> .		
2. ☑ The allowed claim(s) is/are <u>1-11,18 and 20-23</u> .			
3. \boxtimes The drawings filed on <u>12 November 2003</u> are accepted b	y the Examiner.		
 4. Acknowledgment is made of a claim for foreign priority to a) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have 1. Certified copies not received: * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be submined INFORMAL PATENT APPLICATION (PTO-152) which gires 1. CORRECTED DRAWINGS (as "replacement sheets") must be required by the Notice of Draftspe 1. CORRECTED DRAWINGS (as "replacement sheets") must be required by the attached Examine Paper No./Mail Date (b) including changes required by the attached Examine Paper No./Mail Date Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in 7. DEPOSIT OF and/or INFORMATION about the depattached Examiner's comment regarding REQUIREMENT. 	ve been received. ve been received in Application No ocuments have been received in this " of this communication to file a reply MENT of this application. mitted. Note the attached EXAMINER ves reason(s) why the oath or declara ust be submitted. rson's Patent Drawing Review (PTO _ r's Amendment / Comment or in the (1.84(c)) should be written on the drawing the header according to 37 CFR 1.121 osit of BIOLOGICAL MATERIAL	national stage applicate complying with the record complete. It is not considered to the record complete co	quirements
Attachment(s) 1. Notice of References Cited (PTO-892) 2. Notice of Draftperson's Patent Drawing Review (PTO-948) 3. Information Disclosure Statements (PTO-1449 or PTO/SB	_ Paper No./Mail Da	/ (PTO-413), ate	O-152)
Paper No./Mail Date 4.	8. X Examiner's Statem	ent of Reasons for Allo	wance
of Biological Material	9.		
		Sung Pat Patent Examine AU 2874	×

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DETAILED ACTION

Applicants' amendment filed 6/23/2005 has been entered. Claims 1-11, 18, 20-23 are now pending.

Allowable Subject Matter

Claims 1-11, 18, 20-23 are allowed.

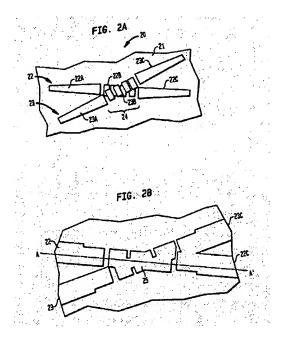
In addition to discussions presented in the previous office action, the claims are allowed for the following reasons.

The following is an examiner's statement of reasons for allowance:

Planar optical circuits comprising integrated optical waveguides are well known and common in the art. Such circuits frequently contain crossing waveguides for coupling and splitting optical signals within the circuit. A prior art publication that has the closest structural resemblance to the claimed invention is Rasras (US 20040190830 A1).

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Figures 2A and 2B show first and second optical waveguides having plurality of overlapping sections at the crossing portion of the waveguide. However, Rasras fails to show any tapered waveguide sections at the crossing portion. Mere tapering of waveguides at waveguide crossing portion is known in the art as discussed in the previous office action.

However, none of the prior art, including Rasras, fairly teaches or suggests crossing waveguides disposed on a planar waveguide substrate, wherein one of the crossing waveguide contains plurality of asymmetrical linear tapers that change waveguiding directions and increase crossing angle, as claimed in the instant application.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Sung H. Pak whose telephone number is (571) 272-2353. The examiner can normally be reached on Monday- Friday, 9AM-5PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Rodney Bovernick can be reached on (571)272-2344. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

Sung H. Pak Patent Examiner Art Unit 2874